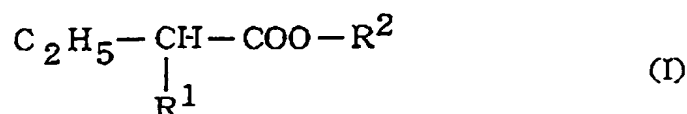


What is claimed is:

1. A magnetic read/write system, in which a fixed MR head serves to read magnetically recorded data from a magnetic recording medium as it operates at a relative speed of 2.0 to 5.0m/s with respect to the magnetic recording medium comprising a non-magnetic support and a magnetic layer, wherein a fatty acid ester represented by general formula (I):



where  $\text{R}^1$  is a hydrocarbon having 4 or less carbons, and  $\text{R}^2$  is a straight-chain hydrocarbon having 12 or more carbons, exists between a read element of the MR head and the magnetic layer.

2. The magnetic read/write system according to claim 1, wherein the magnetic recording medium comprising:

a non-magnetic supports;

a magnetic layer containing a ferromagnetic powder and a binder resin, the magnetic layer formed over the non-magnetic support and having a dry thickness of  $0.5\mu\text{m}$ ; and

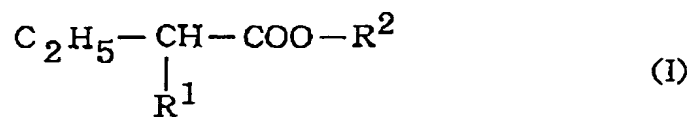
- a non-magnetic layer containing a non-magnetic powder and a binder resin, the non-magnetic layer interposed between the non-magnetic support and the magnetic layer, the non-magnetic layer containing as a lubricant said fatty acid ester and a fatty acid having 12 or more carbons.

3. A magnetic recording medium comprising:

a non-magnetic support;

- a magnetic layer containing a ferromagnetic powder and a binder resin, the magnetic layer formed over the non-magnetic support and having a dry thickness of  $0.5\mu\text{m}$ ; and

a non-magnetic layer containing a non-magnetic powder and a binder resin, the non-magnetic layer interposed between the non-magnetic support and the magnetic layer, the non-magnetic layer containing as a lubricant a fatty acid ester represented by general formula (I):



5 where R<sup>1</sup> is a hydrocarbon having 4 or less carbons, and R<sup>2</sup> is a straight-chain hydrocarbon having 12 or more carbons, and a fatty acid having 12 or more carbons.